

CLAIMS

What is claimed is:

- 5 1. A method of servicing companies associated with a spray device operating
under guidelines of a regulatory body, the method comprising:
 capturing in vitro actuation data associated with operation of a spray
device; and
 distributing the data to a company associated with an aspect of the spray
10 device for testing the spray device to ensure continued compliance with prior
approval of the spray device by a regulatory body.
- 15 2. The method according to claim 1 further including converting the data to
parameters and distributing the data in the form of the parameters.
- 15 3. The method according to claim 1 wherein the spray device includes a stationary
part and a movable part, and wherein the data includes a mechanical relationship
between the stationary part and the movable part versus time.
- 20 4. The method according to claim 3 further including measuring position, velocity,
or acceleration relationships between the stationary part and the movable part.
- 25 5. The method according to claim 1 wherein capturing the in vitro actuation data
includes sorting the data based on in vitro age groups.
- 25 6. The method according to claim 1 wherein capturing the in vitro actuation data
includes determining a minimum number of priming strokes by hand actuation.
- 30 7. The method according to claim 1 wherein capturing the in vitro actuation data
includes determining actuation parameter ranges by hand actuation.

8. The method according to claim 1 wherein capturing the in vitro actuation data includes determining an initial estimation of delivery performance congruency between hand and automated actuation.
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9. The method according to claim 8 further including adjusting automated actuation parameters associated with the automated actuation to achieve a desired shot weight and to determine acceptable ranges.
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10. The method according to claim 1 wherein distributing the data includes providing the data in a format executable by a machine configured to actuate the spray device in an automated manner.
11. The method according to claim 1 wherein the prior approval is a clinical trial approval.
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12. The method according to claim 1 wherein the company is a drug development company.
13. The method according to claim 1 wherein the company is a spray device manufacturer.
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14. The method according to claim 1 wherein the company is a testing service provider.
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15. The method according to claim 1 wherein the regulatory body is the Food and Drug Administration (FDA).